

SEQUENCE LISTING

<110> NIHON UNIVERSITY

<120> Novel Heme peptide

<130> P04-161PCT

<150> JP2002-058086

<151> 2002-03-04

<160> 10

<210> 1

<211> 104

<212> PRT

<213> Horse

<400> 1

Gly	Asp	Val	Glu	Lys	Gly	Lys	Lys	Ile	Phe	Val	Gln	Lys	Cys	Ala	Gln
1				5					10					15	

Cys	His	Thr	Val	Glu	Lys	Gly	Gly	Lys	His	Lys	Thr	Gly	Pro	Asn	Leu
			20					25						30	

His	Gly	Leu	Phe	Gly	Arg	Lys	Thr	Gly	Gln	Ala	Pro	Gly	Phe	Thr	Tyr
		35					40					45			

Thr	Asp	Ala	Asn	Lys	Asn	Lys	Gly	Ile	Thr	Trp	Lys	Glu	Glu	Thr	Leu
	50					55					60				

Met	Glu	Tyr	Leu	Glu	Asn	Pro	Lys	Lys	Tyr	Ile	Pro	Gly	Thr	Lys	Met
65					70					75					80

Ile	Phe	Ala	Gly	Ile	Lys	Lys	Lys	Thr	Glu	Arg	Glu	Asp	Leu	Ile	Ala
			85						90					95	

Tyr	Leu	Lys	Lys	Ala	Thr	Asn	Glu
				100			

<210> 2

<211> 85

<212> PRT

<213> Porphyra yezoensis

<400> 2

Ala	Asp	Leu	Asp	Asn	Gly	Glu	Lys	Val	Phe	Ser	Ala	Asn	Cys	Ala	Ala
1					5				10					15	

Cys His Ala Gly Gly Asn Asn Ala Ile Met Pro Asp Lys Thr Leu Lys
 20 25 30

Lys Asp Val Leu Glu Ala Asn Ser Met Asn Thr Ile Asp Ala Ile Thr
 35 40 45

Tyr Gln Val Gln Asn Gly Lys Asn Ala Met Pro Ala Phe Gly Gly Arg
 50 55 60

Leu Val Asp Glu Asp Ile Glu Asp Ala Ala Asn Tyr Val Leu Ser Gln
 65 70 75 80

Ser Glu Lys Gly Trp
 85

<210> 3
 <211> 15
 <212> PRT
 <213> *Porphyra yezoensis*

<400> 3
 Phe Ser Ala Asn Cys Ala Ala Cys His Ala Gly Gly Asn Asn Ala
 1 5 10 15

<210> 4
 <211> 9
 <212> PRT
 <213> Horse

<400> 4
 Cys Ala Gln Cys His Thr Val Glu Lys
 1 5

<210> 5
 <211> 22
 <212> PRT
 <213> Horse

<400> 5
 Val Gln Lys Cys Ala Gln Cys His Thr Val Glu Lys Gly Gly Lys His
 1 5 10 15
 Lys Thr Gly Pro Asn Leu
 20

<210> 6
 <211> 65
 <212> PRT
 <213> Horse

<400> 6

Gly Asp Val Glu Lys Gly Lys Lys Ile Phe Val Gln Lys Cys Ala Gln
1 5 10 15

Cys His Thr Val Glu Lys Gly Gly Lys His Lys Thr Gly Pro Asn Leu
20 25 30
His Gly Leu Phe Gly Arg Lys Thr Gly Gln Ala Pro Gly Phe Thr Tyr
35 40 45

Thr Asp Ala Asn Lys Asn Lys Gly Ile Thr Trp Lys Glu Glu Thr Leu
50 55 60

Met
65

<210> 7

<211> 9

<212> PRT

<213> Horse

<400> 7

Cys Ala Gln Cys His Thr Val Glu Lys
1 5

<210> 8

<211> 21

<212> PRT

<213> *Porphyra yezoensis*

<400> 8

Val Phe Ser Ala Asn Cys Ala Ala Cys His Ala Gly Gly Asn Asn Ala
1 5 10 15
Ile Met Pro Asp Lys
20

<210> 9

<211> 17

<212> PRT

<213> Horse

<400> 9

Lys Gly Lys Lys Ile Phe Val Gln Lys Cys Ala Gln Cys His Thr Val
1 5 10 15

Glu

<210> 10

<211> 29

<212> PRT

<213> Porphyra yezoensis

<400> 10

Val	Phe	Ser	Ala	Asn	Cys	Ala	Ala	Cys	His	Ala	Gly	Gly	Asn	Asn	Ala
1				5				10					15		
Ile	Met	Pro	Asp	Lys	Thr	Leu	Lys	Lys	Asp	Val	Leu	Glu			
			20				25								